



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,391	07/17/2003	Shu-Ya Chiang	9320-US-PA	1390

43831 7590 12/27/2005

BERKELEY LAW & TECHNOLOGY GROUP  
1700NW 167TH PLACE  
SUITE 240  
BEAVERTON, OR 97006

EXAMINER

KOHNER, MATTHEW J

ART UNIT	PAPER NUMBER
----------	--------------

3653

DATE MAILED: 12/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/604,391

Applicant(s)

CHIANG, SHU-YA

Examiner

Matthew J. Kohner

Art Unit

3653

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 July 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |                                                                                                                        |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                            | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

## **DETAILED ACTION**

### ***Response to Arguments / Amendments***

In light of the Applicant's amendments and remarks, the rejections of the previous action are withdrawn. However, new objections and rejections are presented. Therefore, this action is non-final.

### ***Drawings***

Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Objections***

Claims 2 and 9 are objected to because of the following informalities: Claim 2 depends from itself. Examiner assumes that it should depend from claim 1 and has examined the claims in that light. However, appropriate correction is required.

In regard to claim 9, the word comprising should be comprises since it refers to the plurality.

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 9 recites that axles penetrate a center of the plurality of drive rollers. It is unclear as to whether the axles should penetrate a center of the plurality (i.e. the middle of the triangle that the plurality of rollers) or each axle should penetrate its respective roller.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 5, 6, 9-15 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent No. 6,309,064 to Tanno.

Tanno discloses a transmission mechanism of a sheet feeder located inside a body for feeding a document, the transmission mechanism comprising at least:

- a plurality of drive rollers (17, 18, 19);

- at least a belt (16), wherein the belt tightens around the plurality of drive rollers, and the plurality of drive rollers drive the belt;
- an idle roller (23); and
- an elastic member (col. 6, lines 40, et seq.), wherein the elastic member activates the idle roller causing the idle roller to exert a force on the belt for moving the document between the idle roller and the belt during feeding of the document
- wherein the idle roller and belt are located so as to receive the document via a feed-in path (See Fig. 1) and to transmit the document via a feed-out path (See Fig. 1).

In regard to claims 2-3, see Fig. 1.

In regard to claim 5, Tanno discloses a motor (27).

In regard to claims 6 and 11, Tanno discloses a spring (col. 6, lines 40, et seq.),

In regard to claims 9, 10, 13 and 16, see Fig. 5.

In regard to claim 12, see col. 1, line 15.

In regard to claim 14, this feature is inherent since the document is transported to the output.

In regard to claim 15, Tanno discloses a feed-in roller (12), a feed-out roller (44), a feed-in tray (11), and a feed out tray (44).

In regard to claim 17, Tanno discloses the above features and a body (1).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 3653

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4, 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tanno.

In regard to claim 4, it is well known in the art to have a plurality of belts instead of a single belt (see e.g. US Patent No. 6,698,746 to Buck et al.). Merely, providing a plurality of belts would be obvious to one of ordinary skill in the art.

In regard to claims 7 and 8, Tanno discloses a spring as the biasing means. However, Tanno does not specifically disclose that its manufactured with the body via injection molding nor that the it is plastic. Yet, it would be obvious to one of ordinary skill in the art that other biasing means could be used. Further, it would be obvious to one of ordinary skill in the art that the biasing means could be made of plastic, since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. *In re Leshin*, 125, USPQ 416. Further, the method of how that biasing means is constructed and mounted would also be obvious to one of ordinary skill in the art under the same rationale.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew J. Kohner whose telephone number is 571-272-6939.

The examiner can normally be reached on Mon-Fri 9-5:30.

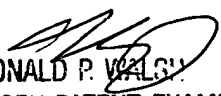
Art Unit: 3653

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Walsh can be reached on 571-272-6944. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Matthew J. Kohner  
Examiner  
Art Unit 3653

mjk

  
DONALD P. WALSH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600